Appendix A

35. (Thrice Amended) A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer thereof:

$$A' \longrightarrow N \longrightarrow H$$

wherein each X^1 and X^2 is, independently, a hydroxyl group or a group that is hydrolyzed to a hydroxyl group at physiological pH;

wherein at least 96% of the carbon atoms bearing boron are of the L-configuration; wherein A' comprises an amino acid; and wherein each of the compounds inhibits DP-IV activity.

- 36. (Amended) The mixture of claim 35, wherein X^1 and X^2 are hydroxyl groups.
- 37. (Cancelled)
- 38. (Cancelled)
- 39. (Amended) The mixture of claim 35, wherein 99% of the carbon atoms bearing boron are of the L-configuration.
- 40. (Amended) The mixture of claim 35, wherein A' is valine.
- 41. (Amended) The mixture of claim 35, wherein A' is alanine.

following structure and at least one stereoisomer thereof:

$$X \xrightarrow{B} X^2$$

wherein each X^1 and X^2 is, independently, a hydroxyl group or a group that is hydrolyzed to a hydroxyl group at physiological pH;

wherein at least 96% of the carbon atoms bearing boron are of the L-configuration; wherein X comprises an amino acid or a peptide; and wherein each of the compounds inhibits DP-IV activity.

- 43. (Amended) The mixture of claim 42, wherein X^1 and X^2 are hydroxyl groups.
- 44. (Cancelled)
- 45. (Cancelled)
- 46. (Amended) The mixture of claim 42, wherein 99% of the carbon atoms bearing boron are of the L-configuration.
- 47. (Amended) The mixture of claim 42, wherein X is an L-amino acid.
- 48. (Amended) The mixture of claim 43, wherein X is a peptide having the structure

wherein m is an integer between 0 and 10, inclusive; and

wherein A and A' are L-amino acid residues such that the A in each repeating bracketed unit can be the same or a different amino acid residue.

- 49. (Amended) The mixture of claim 48, wherein A and A' are independently proline or alanine residues.
- 50. (Amended) The mixture of claim 48, wherein m is an integer between 1 and 10.
- 51. (Amended) The mixture of claim 48, wherein m is 1.